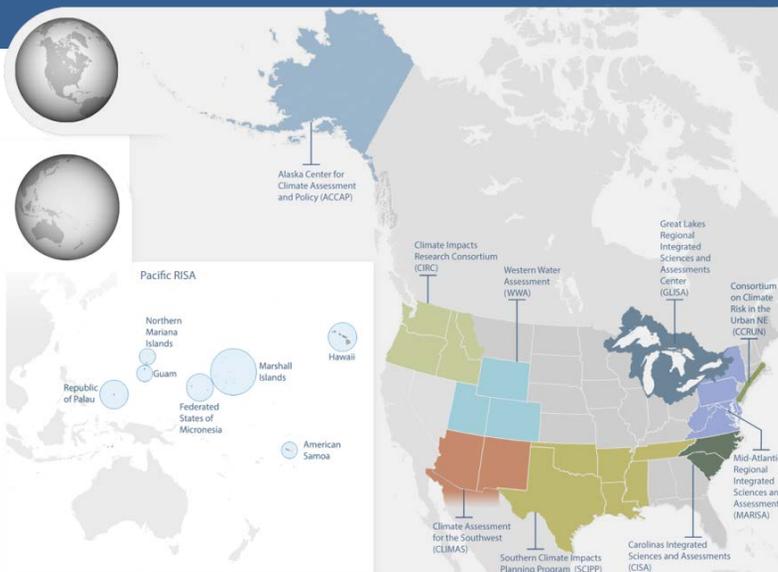


REGIONAL INTEGRATED SCIENCES & ASSESSMENTS (RISA)

Helping regions and communities better prepare and plan for hazards and extreme events for more than 20 years.

In 2016 alone, the United States experienced 15 billion-dollar weather and climate disasters, which resulted in 138 fatalities and cost \$46 billion.

For more than 20 years, the NOAA **Regional Integrated Sciences and Assessments (RISA)** Program has been producing actionable climate research, helping to reduce economic damages that Americans face every year due to droughts, floods, forest fires, vector-borne diseases, and a host of other climate and extreme weather impacts. The **network of ten RISA teams across the country** work hand-in-hand with stakeholders and decision makers in regions across the United States to ensure that research and information is responsive to their needs.



The sustained regional presence of RISA enables teams to effectively support responses to extreme events. In 2012, CCRUN's expertise in coastal inundation informed New York City planning efforts after Hurricane Sandy, WWA researchers aided Colorado after 2013's record flooding, and RISA teams in the Western United States have supported the region during its recent intense drought.



Photo Courtesy: WWA

Research produced by the RISA program has educated, informed, and closely interacted with thousands of decision makers across the nation, helping them build the expertise to better plan and prepare for climate variability and extreme weather events. RISA products are making a difference today, helping communities and individuals improve resilience, enhance growth, and reduce costs in a variety of sectors. RISA is supported by the National Oceanic and Atmospheric Administration's (NOAA) Climate Program Office.



Photo Courtesy: Pacific RISA

Updated: April 2017

Learn more: CPO.NOAA.gov/RISA

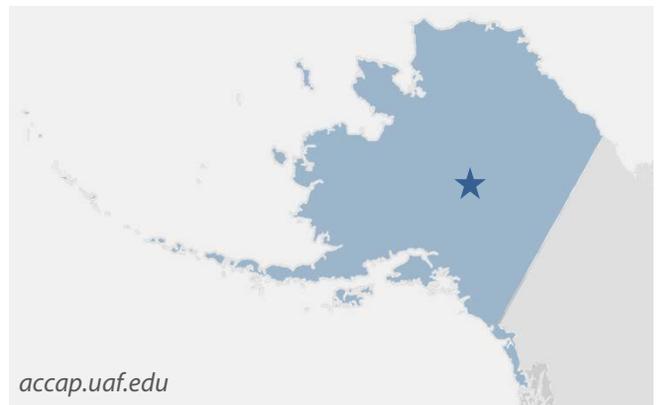


HOW IS RISA HELPING COMMUNITIES NEAR ME?

Changes in climate and extreme events are already impacting seasons, landscapes, and life in the North. These changes affect the health, culture, and livelihoods of Alaskans as well as the companies who do business in Alaska. Work by the **Alaska Center for Climate Assessment & Policy (ACCAP)** encompasses the entire state of Alaska. ACCAP focuses on coastal and living marine resources, regional climate impacts, extreme events, sea ice, wildfire and community adaptation planning.

ACCAP is improving the ability of Alaskans to respond to a changing climate.

ALASKA CENTER FOR CLIMATE ASSESSMENT & POLICY (ACCAP)



HELPING MARITIME OPERATORS IN THE ALASKA REGION

Maritime operators that work in Alaska waters and the surrounding seas—such as commercial shippers, fishing vessel operators, and the offshore oil and gas industry—are especially sensitive to weather impacts.



Researchers from the Alaska RISA reached out to stakeholders in these economically important industries to find out what was missing from traditional weather and storm products. Marine operators conveyed the need for products that would help them make “go/no go” decisions about their plans over several days and outlook products that would help them plan months and seasons in advance.

In an effort to bridge the gaps between existing products, the Alaska RISA is establishing a storminess indicator for the Alaska Region. **By integrating data about wind speed, direction, and duration, ACCAP is providing needed information and helping industry professionals make more informed decisions** related to scheduling and routing to avoid hazards and save time and money.

Learn more: [ACCAP.uaf.edu/storminess_shipping](https://accap.uaf.edu/storminess_shipping)